

Applicants: Dean Engelhardt et al.
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Page 2 (Amendment - December 23, 1997)


Sig
PM - SM - BASE

wherein PM is a phosphate moiety, SM is a sugar moiety **comprising a pentose sugar selected from a ribose or a deoxyribose**, and BASE is a pyrimidine, purine or 7-deazapurine moiety, said PM being covalently attached to SM, said BASE being covalently attached to the 1' position of SM from the N¹ position when BASE is a pyrimidine or the N⁹ position when BASE is a purine or 7-deazapurine, and said Sig is a detectable moiety covalently attached to SM directly or through a linkage group. --

-- 272 (Twice amended) A nucleotide having the formula:


Sig
PM - SM - BASE

wherein PM is a phosphate moiety, SM is a sugar moiety **comprising a pentose sugar selected from a ribose or a deoxyribose**, and BASE is a pyrimidine, purine or 7-deazapurine moiety, said PM being covalently attached to SM, said BASE being covalently attached to the 1' position of SM from the N¹ position when BASE is a pyrimidine or the N⁹ position when BASE is a purine or 7-deazapurine, and said Sig is a detectable moiety covalently attached to SM directly or through a linkage group. --

-- 308 (Twice amended) A composition comprising a polymeric compound having attached directly or indirectly thereto at least one nucleotide having the formula:


Sig
PM - SM - BASE

wherein PM is a phosphate moiety, SM is a sugar moiety **comprising a pentose sugar selected from a ribose or a deoxyribose**, and BASE is a pyrimidine, purine or 7-deazapurine moiety, said PM being covalently attached to SM, said BASE being covalently attached to the 1' position of SM from the N¹ position when BASE is a pyrimidine or the N⁹ position when BASE is a purine or 7-deazapurine, and said Sig is a detectable moiety covalently attached to SM directly or through a linkage group. --